

## PUBLIC WORKS SYSTEMS MANAGER

<b>RESOURCE CATEGORY</b>	Public Works
<b>RESOURCE KIND</b>	Personnel
<b>OVERALL FUNCTION</b>	The Public Works Systems Manager directs, coordinates and manages the restoration and operation of various types of control systems.
<b>COMPOSITION AND ORDERING SPECIFICATIONS</b>	<ol style="list-style-type: none"> <li>1. This position can be ordered as a single resource or in conjunction with a NIMS typed team (Public Works Support Team).</li> <li>2. Discuss logistics for deploying this position, such as working conditions, length of deployment, security, lodging, transportation and meals, prior to deployment.</li> <li>3. Requestor specifies necessary systems, specialties and certifications, such as Certified Automation Professional (CAP) or Certified Control Systems Technician (CCST), based on incident needs.</li> </ol>

Each type of resource builds on the qualifications of the type below it. For example, Type 1 qualifications include the qualifications in Type 2, plus an increase in capability. Type 1 is the highest qualification level.

COMPONENT	SINGLE TYPE	NOTES
<b>DESCRIPTION</b>	<p>The Public Works Systems Manager:</p> <ol style="list-style-type: none"> <li>1. Directs, supervises, coordinates and manages the restoration and operation of systems such as: <ol style="list-style-type: none"> <li>a. Energy management control systems</li> <li>b. Utility control systems</li> <li>c. Supervisory Control and Data Acquisition (SCADA) systems</li> <li>d. Heating, ventilation and air conditioning (HVAC) building automation controls</li> <li>e. Traffic management systems</li> <li>f. Potable water systems</li> <li>g. Wastewater systems</li> <li>h. Stormwater systems</li> <li>i. Power systems</li> <li>j. Telecommunications systems</li> <li>k. Gas systems</li> <li>l. Geographic Information Systems (GIS)</li> </ol> </li> <li>2. Manages a branch, division, group, strike team or task force, based on mission-specific activities and needs</li> </ol>	Not Specified
<b>EDUCATION</b>	Not Specified	Not Specified
<b>TRAINING</b>	<p>Completion of the following:</p> <ol style="list-style-type: none"> <li>1. IS-100: Introduction to the Incident Command System, ICS-100</li> <li>2. IS-200: Basic Incident Command System for Initial Response, ICS-200</li> <li>3. ICS-300: Intermediate Incident Command System for Expanding Incidents</li> <li>4. IS-700: National Incident Management System, An Introduction</li> <li>5. IS-800: National Response Framework, An Introduction</li> </ol>	Not Specified
<b>EXPERIENCE</b>	Eight years of experience in public works systems, with at least five years of management experience	Not Specified

Position Qualification for Infrastructure Systems  
Public Works

COMPONENT	SINGLE TYPE	NOTES
<b>PHYSICAL/MEDICAL FITNESS</b>	1. Moderate 2. Is able to work while wearing appropriate Personal Protective Equipment (PPE)	1. NIMS Guideline for the National Qualification System (NQS) defines physical/medical fitness levels for NIMS positions. 2. PPE is mission specific and may vary by work environment; it includes hard hats, safety-toe boots, reflective vests, eye and ear protection, respirators, gloves and masks.
<b>CURRENCY</b>	Currently works in this position in a municipal, county, state, tribal or territorial public works department	Not Specified
<b>PROFESSIONAL AND TECHNICAL LICENSES AND CERTIFICATIONS</b>	Not Specified	Not Specified



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## NOTES

Nationally typed resources represent the minimum criteria for the associated component and capability.

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## REFERENCES

1. FEMA, NIMS 508: Public Works Support Team
2. FEMA, National Incident Management System (NIMS), October 2017
3. FEMA, NIMS Guideline for the National Qualification System (NQS), November 2017
4. FEMA, National Response Framework, October 2019